



U.S.E HICKSON
15 WALLSEND DRIVE
SCARBOROUGH; M1E 3X6; ONTARIO

PRODUCT: BLACK KNIGHT ALL SEASON RUBBERIZED ROOF REPAIR

Section 01: CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

MANUFACTURER U.S.E HICKSON PRODUCTS LTD.
..... 15 WALLSEND DRIVE
..... SCARBOROUGH
..... ON
..... CANADA
..... M1E 3X6
PRODUCT NAME..... BLACK KNIGHT ALL SEASON RUBBERIZED ROOF REPAIR
PRODUCT USES..... ROOF COATING.
CHEMICAL FAMILY..... INORGANIC AND ORGANIC COMPOUNDS.
MATERIAL USE..... SEALER.

Section 02: COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous Ingredients	%	Exposure Levels	C.A.S.#	LD/50, Route,Species	LC/50 Route,Species
MINERAL SPIRITS	10-30	100PPM (575MG/M3)	64742-47-8	ORAL RAT>8000MG/KG DERMAL RAT>4000MG/KG	RAT 1400PPM/4 HOURS
COMPLEX MIXTURE OF OXIDIZED BITUMEN AND SOLVENT	60-100	5mg/m3 (FUMES)	64742-93-4	NOT ESTABLISHED	1400 ppm RAT INHALATION

Section 03: HAZARDS IDENTIFICATION

PRIMARY ROUTE(S) OF ENTRY.....
SKIN CONTACT..... POSSIBLE IRRITATION UPON DIRECT CONTACT CAN CAUSE MODERATE IRRITATION, DEFATTING AND DERMATITIS. PROLONGED CONTACT MAY CAUSE DEFATTING OF TISSUE.
SKIN ABSORPTION..... MAY BE ABSORBED BY THE SKIN.
INHALATION..... VAPORS CAN PRODUCE HEADACHE, NAUSEA, DIZZINESS, DISORIENTATION, NUMBNESS IN FINGERS AND TOES, AND IRRITATION OF NOSE AND THROAT.
INGESTION..... CAN CAUSE GASTRO-INTESTINAL IRRITATION, NAUSEA, VOMITING AND DIARRHEA.
EYE CONTACT..... VAPORS CAN PRODUCE IRRITATION. IRRITATION UPON DIRECT CONTACT.
EFFECTS OF ACUTE EXPOSURE..... REFER TO ROUTE OF ENTRY.
EFFECTS OF CHRONIC EXPOSURE..... MAY CAUSE NAUSEA, HEADACHE, DIZZINESS, AND DROWSINESS. MAY CAUSE DAMAGE TO THE CENTRAL NERVOUS SYSTEM, RESPIRATORY SYSTEM, LUNGS, EYES, SKIN, GASTROINTESTINAL TRACT.

Section 04: FIRST AID MEASURES

EYE CONTACT..... FOR HOT SPLASHES IMMEDIATELY FLUSH EYES WITH LARGE AMOUNTS OF WATER FOR AT LEAST 15 MINUTES. IMMEDIATELY SEEK MEDICAL AID.
SKIN CONTACT..... IMMEDIATELY FLUSH AREA WITH LARGE AMOUNTS OF WATER FOR AT LEAST 15 MINUTES. REMOVE CONTAMINATED CLOTHING. WASH CONTAMINATED CLOTHING BEFORE RE-USE. IMMEDIATELY SEEK MEDICAL AID.

PRODUCT: BLACK KNIGHT ALL SEASON RUBBERIZED ROOF REPAIR**Section 04: FIRST AID MEASURES**

INHALATION.....	REMOVE VICTIM TO FRESH AIR. IF BREATHING HAS STOPPED PROPERLY TRAINED PERSONNEL SHOULD BEGIN ARTIFICIAL RESPIRATION. GET MEDICAL ATTENTION IMMEDIATELY!
INGESTION.....	DILUTE WITH WATER OR MILK; DO NOT INDUCE VOMITING; GET MEDICAL ATTENTION.

Section 05: FIRE FIGHTING MEASURES

FLASH POINT (C), METHOD.....	40 C CLOSED CUP.
AUTO IGNITION TEMPERATURE.....	>257 C (ESTIMATED).
UPPER FLAMMABLE LIMIT (% VOL).....	NOT ESTABLISHED.
LOWER FLAMMABLE LIMIT (% VOL).....	NOT ESTABLISHED.
EXTINGUISHING MEDIA.....	CARBON DIOXIDE, DRY CHEMICAL, FOAM.
HAZARDOUS COMBUSTION PRODUCTS.	OXIDES OF CARBON (CO,C02).
SENSITIVITY TO MECHANICAL IMPACT.....	NO. PROTECT AGAINST PHYSICAL DAMAGE.
SENSITIVITY TO STATIC DISCHARGE.....	YES.

Section 06: ACCIDENTAL RELEASE MEASURES

LEAK/SPILL.....	CONTAIN THE SPILL. ELIMINATE ALL SOURCES OF IGNITION. EVACUATE ALL NON-ESSENTIAL PERSONNEL. FOR SMALL SPILLS:. ABSORB THE VERMICULITE, PERLITE OR ABSORBENT EARTH. PICK UP AND BURN WITH CARE. COLLECT WASTE IN SEALED CONTAINERS. FOLLOW ALL APPLICABLE FIRE AND EXPLOSION PRECAUTIONS DURING THE SPILL RESPONSE PROCEDURE. FOR LARGE SPILLS:. DIKE AREA TO PREVENT SPREADING. ELIMINATE ALL SOURCES OF IGNITION. WEARE A BREATHING APPARATUS. PREVENT RUNOFF INTO DRAINS, SEWERS, AND OTHER WATERWAYS. REFER TO THE REGIONAL OFFICE OF THE ENVIRONMENTAL MINISTRY. REMOVE CONTAMINATED SOIL.
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Section 07: HANDLING AND STORAGE

HANDLING PROCEDURES.....	EQUIPMENT MUST BE GROUNDED. HANDLE AND OPEN CONTAINER WITH CARE. HANDLE AWAY FROM ALL SOURCES OF IGNITION. AVOID SMOKING. KEEP CONTAINER CLOSED. MAINTAIN A GOOD PERSONAL HYGIENE. PROTECT AGAINST PHYSICAL DAMAGE. USE NON-METALLIC TOOLS. USE ADEQUATE VENTILATION. AVOID: ALL SKIN CONTACT, EATING AND DRINKING ON USE.
STORAGE NEEDS.....	AVOID STATIC ELECTRICITY - GROUND CONTAINERS WHEN TRANSFERRING PRODUCT. KEEP AWAY FROM HEAT, SPARKS, AND OPEN FLAMES. KEEP CONTAINER CLOSED WHEN NOT IN USE. OBSERVE LOCAL REGULATIONS. PROVIDE ADEQUATE VENTILATION TO PROTECT FROM THESE HAZARDS AND TO KEEP BELOW MAXIMUM EXPOSURE VALUES. SHOULD BE IN STANDARD FLAMMABLE LIQUID STORAGE TANKS. STORE AT ROOM TEMPERATURE.

Section 08: EXPOSURE CONTROLS / PERSONAL PROTECTION

PROTECTIVE EQUIPMENT.....	
EYE/TYPE.....	SPLASH PROOF CHEMICAL GOGGLES AND FACE SHIELD.
RESPIRATORY/TYPE.....	NOT NORMALLY REQUIRED. USE A SELF CONTAINED BREATHING APPARATUS IF VAPOUR CONCENTRATION IS HIGH OR UNKNOWN.
GLOVES/ TYPE.....	CHEMICAL RESISTANT GLOVES.
CLOTHING/TYPE.....	WEAR IMPERVIOUS PROTECTIVE CLOTHING (I.E. COVERALLS, LONG PANTS, LONG SLEEVES).

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FOOTWEAR/TYPE..... RUBBER SAFETY BOOTS.
OTHER/TYPE..... EMERGENCY SHOWER SHOULD BE IN CLOSE PROXIMITY. EYE BATH AND SAFETY SHOWER.
VENTILATION REQUIREMENTS..... LOCAL EXHAUST AT POINTS OF EMISSION. VENTILATION SYSTEM MUST BE DESIGNED VAPOR AND EXPLOSION PROOF FOR HANDLING SOLVENT VAPORS.

Section 09: PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE..... LIQUID.
ODOR..... SOLVENT ODOR.
SPECIFIC GRAVITY..... 0.9.
VAPOUR DENSITY (AIR=1)..... 3-4 (APPROX @ 20 C).
VAPOR PRESSURE (mm Hg)..... 10 kPa (ESTIMATED).
VOLATILES %..... BY WEIGHT: 50 APPROX. BY VOLUME: 30-50 @ 20 C.
BOILING POINT (deg C)..... > 131 C @ 1 atm.
SOLUBILITY IN WATER (% W/W)..... NOT SOLUBLE.
COEFFICIENT OF WATER/OIL NOT APPLICABLE.
DISTRIBUTION

Section 10: STABILITY AND REACTIVITY

INCOMPATIBILITY..... ACIDS, BASES AND OXIDIZING AGENTS.
REACTIVITY CONDITIONS ?..... EXCESSIVE HEAT, SPARKS AND OPEN FLAME.
HAZARDOUS PRODUCTS OF CARBON MONOXIDE, CARBON DIOXIDE.
DECOMPOSITION

Section 11: TOXICOLOGICAL INFORMATION

EXPOSURE LIMIT OF MATERIAL..... SEE SECTION 2.
IRRITANCY OF MATERIAL..... REFER TO ROUTE OF ENTRY.
SENSITIZING CAPABILITY OF MATERIAL... IN SUSCEPTIBLE INDIVIDUALS.
CARCINOGENICITY OF MATERIAL..... NOT INDICATED.

Section 12: ECOLOGICAL INFORMATION

ENVIRONMENTAL..... DISPOSE WASTE IN ACCORDANCE WITH MUNICIPAL, PROVINCIAL AND FEDERAL REGULATIONS.

Section 13: DISPOSAL CONSIDERATIONS

WASTE DISPOSAL..... IN ACCORDANCE WITH MUNICIPAL, PROVINCIAL AND FEDERAL REGULATIONS.

Section 14: TRANSPORT INFORMATION

T.D.G. CLASSIFICATION..... TARs, LIQUID, CLASS 3, UN1999, PG III NON-REGULATED: FLASH POINT >38 DEG C; PACKAGING <450 L (TDG PART 1.33).

PRODUCT: BLACK KNIGHT ALL SEASON RUBBERIZED ROOF REPAIR**Section 15: REGULATORY INFORMATION**

WHMIS CLASSIFICATION..... CLASS D, DIVISION. 2 B. CLASS B DIVISION 3.

Section 16: OTHER INFORMATION

NOTICE..... CANUTEC EMERGENCY (613) 996-6666. THE DATA INCLUDED HEREIN ARE PRESENTED ACCORDING TO U.S.E HICKSON PRODUCTS LTD.'S PRACTICES CURRENT AT THE TIME OF PREPARATION HEREOF, ARE MADE AVAILABLE SOLELY FOR THE CONSIDERATION, INVESTIGATION AND VERIFICATION OF THE ORIGINAL RECIPIENTS HEREOF AND DO NOT CONSTITUTE A REPRESENTATION OR WARRANTY FOR WHICH U.S.E. HICKSON ASSUMES LEGAL RESPONSIBILITY. IT IS THE RESPONSIBILITY OF A RECIPIENT OF THIS DATA TO REMAIN CURRENTLY INFORMED ON CHEMICAL HAZARD INFORMATION, TO DESIGN AND UPDATE IT'S OWN PROGRAM AND TO COMPLY WITH ALL FEDERAL, PROVINCIAL AND LOCAL LAWS AND REGULATIONS APPLICABLE TO SAFETY, OCCUPATIONAL HEALTH, RIGHT-TO-KNOW AND ENVIRONMENTAL PROTECTION.

PREPARED BY..... PROCESS DEVELOPMENT.

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